



GAIL FARBER, Director

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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April 08, 2014

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012

Dear Supervisors:

ADOPTED

BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

36 April 8, 2014

Sachi A. Hamai
SACHI A. HAMAI
EXECUTIVE OFFICER

**AUTHORIZE THE COUNTY PURCHASING AGENT TO
PROCEED WITH THE ACQUISITION OF
MAINTENANCE EQUIPMENT
(ALL SUPERVISORIAL DISTRICTS)
(3 VOTES)**

SUBJECT

This action authorizes the acquisition of 26 maintenance equipment items for the Department of Public Works.

IT IS RECOMMENDED THAT THE BOARD:

Approve the purchase of 26 maintenance equipment items with a unit cost of \$250,000 or greater.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended action is to comply with the County of Los Angeles Equipment Policy (Policy) that the Board adopted on October 16, 2001. The Policy requires the Board's approval prior to County departments requisitioning the purchase of capital equipment with a unit cost of \$250,000 or greater. We are requesting Board approval to authorize Internal Services Department to proceed with soliciting bids for the acquisition of 26 maintenance equipment items as noted in the enclosures, which includes the item number, description, financial information, and justification for each maintenance equipment item. Although a few items are budgeted below \$250,000, the bid may exceed that limit. These equipment items are essential to support disaster response; sewer maintenance emergency call-outs; maintenance and repair of roads, channels, and debris basins; and vegetation management. These equipment items will also comply with and meet Air Quality Management District standards.

Implementation of Strategic Plan Goals

The Countywide Strategic Plan directs the provision of Operational Effectiveness (Goal 1) and Integrated Services Delivery (Goal 3). This action will enable the Department of Public Works to continue to provide County residents with enhanced, responsive, and efficient maintenance services.

FISCAL IMPACT/FINANCING

There will be no impact to the County General Fund.

The cost for this acquisition is estimated to be \$8,941,000. Financing is included in the Department of Public Works' Fiscal Year 2013-14 Internal Service Fund Capital Assets-Equipment Budget.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

On October 16, 2001, the Board adopted a policy whereby County departments must obtain Board approval to purchase equipment with a unit cost of \$250,000 or greater prior to submitting their requisitions for purchasing.

ENVIRONMENTAL DOCUMENTATION

In accordance with Section 15378 of the California Environmental Quality Act Guidelines, approval of the recommended action does not constitute a project and, therefore, is not subject to the requirements of the California Environmental Quality Act.

CONTRACTING PROCESS

This is a commodity purchase under the statutory authority of the County Purchasing Agent. The purchase will be requisitioned through and accomplished by Internal Services Department in accordance with the County's purchasing policies and procedures.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

Approval of this request will enable the Department of Public Works to replace outdated maintenance equipment with modern, alternative fuel, and low emission equipment to provide critical maintenance services to County residents. Public Works will replace some on-road vehicles with compressed natural gas-powered vehicles and its off-road equipment with the highest emission rating tier engines available, Tier 4 Final, which meet and/or exceed the compliance standard set by the California Air Resources Board.

CONCLUSION

Please return three adopted copies of this letter to the Department of Public Works, Fleet Management Division.

The Honorable Board of Supervisors

4/8/2014

Page 3

Respectfully submitted,

A handwritten signature in cursive script that reads "Gail Farber".

GAIL FARBER

Director

GF:MS:sh

Enclosures

c: Chief Executive Office (Rita Robinson)
County Counsel
Executive Office
Internal Services Department

**DEPARTMENT OF PUBLIC WORKS
FISCAL YEAR 2013-14 EQUIPMENT PURCHASES AT \$250,000 AND ABOVE**

ITEM NO.	DESCRIPTION	BUDGETED AMOUNT	JUSTIFICATION
1	Core Drill, Truck Mounted Item 14532R	\$250,000	<p>The Core Drill is used by Flood Maintenance Division's (FMD) drill crew to perform exploratory work on Public Works' concrete flood channels and inverts to check the depth and condition of the rebar. It is also used for asphalt core samples needed to assist in the construction of new drains. This Core Drill is used in conjunction with the auger rig on environmental geotechnical jobs when dealing with a concrete street.</p> <p>A trailer-mounted unit can be cumbersome in tight locations while the truck-mounted unit would better assist in these conditions. The truck would be outfitted with a fuel tender to use as a support truck when needed.</p>
2	Tractor, Crawler Item 14535R	\$400,000	<p>The Tractor Crawler is used by FMD's crew to perform brush clearing work on Public Works' flood control earthen bottom channels and debris basins for storm preparedness to prevent flooding of surrounding communities. It is also used for vegetation clearing on flood control right-of-way properties in fire hazard zones, scarifying of spreading ground basins to loosen the soils for maximum groundwater recharge, redeveloping slopes along spreading ground basins and levees, and moving of mud and sediment during debris basin cleanouts. An advantage of a tractor crawler is that the equipment is very maneuverable and can be used on most terrain, including unlevelled and undulating grounds.</p> <p>The replacement of this vehicle is in compliance with Public Works' strategic plan for meeting the 2023 California Air Resources Board (CARB) compliance for off-road equipment. We are required to meet specific yearly emission</p>

**DEPARTMENT OF PUBLIC WORKS
FISCAL YEAR 2013-14 EQUIPMENT PURCHASES AT \$250,000 AND ABOVE**

ITEM NO.	DESCRIPTION	BUDGETED AMOUNT	JUSTIFICATION
			deadlines that require us to phase out 14 off-road vehicles in the next fiscal year. FMD will replace a total of 65 non-compliant, off-road vehicles by 2023.
3	Excavator, Track Item 14537R	\$450,000	<p>The Excavator is used by FMD's crew to perform clearing and sediment removal on Public Works' flood control concrete channels and debris basins to ensure surrounding communities are safe during and after major storm events. It is also used to dig entrainment trenches to channelize low flow in earthen bottom channels and debris basins. This equipment can be outfitted with variety of specialized attachments to support flood control maintenance activities. Attachments include hydraulic breaker for breaking large rocks, rock bucket for placement of rip rap rocks to protect hillsides or sloped areas, mow head for mowing earthen bottom channels and debris basins for storm preparedness, and compaction wheel for compacting soil to prevent undermining of flood control structures.</p> <p>The replacement of this vehicle is in compliance with Public Works' strategic plan for meeting the 2023 CARB compliance for off-road equipment. We are required to meet specific yearly emission deadlines that require us to phase out 14 off-road vehicles in the next fiscal year. FMD will replace a total of 65 non-compliant, off-road vehicles by 2023.</p>
4	Excavator, Truck/Wheel Item 14538	\$280,000	The replacement of this vehicle is in compliance with Public Works' strategic plan for meeting the 2023 CARB compliance for off-road equipment. We are required to meet specific yearly emission deadlines that require us to phase out

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			14 off-road vehicles in the next fiscal year. FMD will replace a total of 65 non-compliant, off-road vehicles by 2023.
5	Truck, Paint Striper Item 14363R	\$550,000	This item will replace an in-kind unit that is over 12 years old and deteriorated. It will be used for applying traffic line marking stripes. Proper maintenance of striping is essential for public safety and to minimize County liability. We are not able to rent or lease a replacement vehicle as no rental companies provide rentals of this type. We are responsible to properly maintain the striping on all County roads within unincorporated County areas and numerous cities that contract with us to perform this work within their cities.
6	Truck, Thermo Marking, Item 14364R	\$250,000	This item will replace an in-kind unit that is over 7 years old and deteriorated. It will be used for installing highly durable thermoplastic pavement markings, which are essential to provide proper guidance to motorists. All County road projects are now specified to be remarked with thermoplastic pavement materials. The demand for this service is substantially growing due to the economics of applying the longer lasting material. Approximately 1.5 million square feet of pavement markings in the unincorporated County area and an expected substantial quantity within cities that would contract for these services will be marked with thermoplastic. It is expected that the <i>California Manual of Uniform Traffic Control Devices</i> will include standards for minimum brightness of traffic pavement markings. The new thermoplastic marking truck will be required to help meet those standards. We are not able to rent or lease a replacement vehicle as no rental companies provide

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FISCAL YEAR 2013-14 EQUIPMENT PURCHASES AT \$250,000 AND ABOVE**

ITEM NO.	DESCRIPTION	BUDGETED AMOUNT	JUSTIFICATION
			rentals of this type. The proper maintenance of pavement markings is essential for public safety and to minimize County liability.
7	Truck, Red Curb, Item 14365A	\$250,000	This is an additional item for applying red curb paint primarily in the North County region. This new red curb truck is needed for the maintenance and installation of red curb. Red curb is a critical and safety-related traffic regulation and often characterized by residents as an aesthetic concern within their community. The North County region, and especially the Santa Clarita Valley, has seen tremendous growth in population, traffic, and road networks. Significant growth is still anticipated. This new red curb truck will increase effectiveness and efficiencies while installing and maintaining red curb paint in the North County area. The proper maintenance of red curb is essential for public safety and to minimize County liability.
8	Truck, Pavement Marker Installation, Item 14366A	\$377,000	This is an additional item for applying raised and recessed pavement markers. This new pavement marker truck is needed for maintaining and installing raised and recessed pavement markers. Primarily caused by increasing risk management and traffic safety concerns, there is significant growth in the inventory of raised and recessed pavement markers in order to maximize the visibility of the roadway alignment. We also forecast continued growth in that inventory, especially in the rural and/or mountainous highways. The vehicle will be stationed in the North County region. The Santa Clarita Valley has seen tremendous growth in population, traffic, and road networks, and significant growth

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FISCAL YEAR 2013-14 EQUIPMENT PURCHASES AT \$250,000 AND ABOVE**

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			is still anticipated. Assigning a pavement marker installation truck to the North County operations will increase our effectiveness and efficiencies. In addition, this unique vehicle is not rentable and only such one vehicle exists within Public Works. A second vehicle is also desirable due to occurrences when the one vehicle is not available due to repair issues or other unavailability. The proper maintenance of raised or recessed pavement markers is essential for public safety and to minimize County liability.
9-14	Sweeper, Power, CNG, Items 14420A, 14459R, 14460R, 14565A, 14566R (2)	\$365,000 (each)	The Department of Public Works, Road Maintenance Division, manages a street sweeping program. The program supports clean streets and aids in meeting the National Pollution Discharge Elimination Systems requirements to reduce pollutant discharge to streams and rivers in Los Angeles County. New alternative fuel street sweeping equipment that meet Air Quality Management District standards promotes our environmental mission and fleet management while reducing maintenance requirements and improving equipment availability.
15	Truck, Dump, Butler, Loader, CNG, Item 14451R	\$264,000	This replacement unit is an essential part of road maintenance and will provide services in trash removal, alley cleanup, illegal dumping pickup, vegetation removal, and hauling debris.

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ITEM NO.	DESCRIPTION	BUDGETED AMOUNT	JUSTIFICATION
16-20	Motor Grader, Tandem w 14" Blade and Scarifier Items 14462R, 14463R, 14464R, 14465R, 14466R	\$340,000 (each)	These replacement units are an essential part of road maintenance and will be used primarily for the grading of dirt roads and shoulders, and placing and shaping asphalt. These Motor Grader units represent a basic need for the Road Maintenance Division to effectively perform required services.
21	Loader, Backhoe w/Attachments Item 14470R	\$240,000	This Loader, Backhoe is an essential part of road maintenance, providing both routine maintenance operations, including shoulder and dirt road work, drainage clean out, snow removal, and storm emergency operations, such as slide removal and guardrail repairs. They are used for loading materials, such as concrete, asphalt, dirt, and brush. They are also used for excavating asphalt and concrete.
22	Paving Machine 8-12' Item 14473R	\$400,000	This replacement unit is an essential part of the road maintenance and will provide service in every facet of maintaining pavement and resurfacing overlay.
23	Truck, Crane/Stake, Item 14385R	\$250,000	This item will replace an in-kind unit that is over 27 years old. This equipment has frequent downtime for repair, the crane and controls are obsolete, and generally unsafe to operate.
24	Truck, Hydro Vactor w/Jetter Item 14388R	\$495,000	This item will replace an in-kind unit that is over 10 years old. It is a critical item that will ensure we meet the Environmental Protection Agency's National Discharge Pollution Elimination Systems requirements. This emergency response unit will vacuum the overflow of sewers, returning it during and after the mainline overflow has been relieved. This is a high-usage

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			vehicle and is used for the daily operation in jetting and vacuuming mainline sewers, as well as pump stations.
25	Water Truck, 4000 Gallon, 6X6 Item 14551A	\$245,000	This is an additional item for debris basins and spreading grounds operations. It will be used on the majority of construction and maintenance projects, such as debris basin and inlet cleanouts, grading sediment placement sites, ripping spreading grounds, mowing facilities, and other work where there are dust-control concerns. The water cannon will allow us to spread water in these facilities from our access roads and assist us in compliance of South Coast Air Quality Management District's Rule 403 - Fugitive Dust, which requires that we use some type of dust control, such as watering during our routine maintenance operations or face fines for excessive dust generation. In addition, Forestry requires (fire control) the use of water trucks during slope mowing operations in the mountainous areas to prevent fires.
26	Loader, Wheel MP Bucket Item 14567R	\$350,000	This item will replace an in-kind unit that is over 19 years old. It will be used on daily routines for storm operations, debris basin cleanouts, and cleaning channel inverts.
TOTAL AMOUNT:		\$8,941,000	